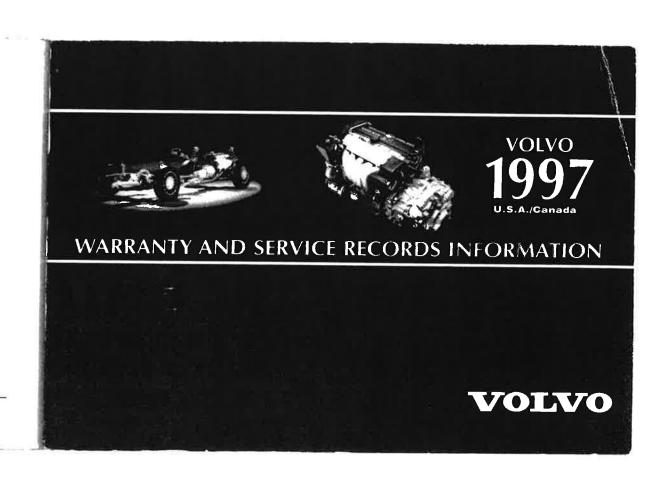
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Quality — Safety — Durability — Value

The Volvo organization welcomes you to the Volvo family and thanks you for purchasing your new Volvo.

From Design, Engineering, and Manufacturing to support activities in Parts, Service, and Sales, high standards have been set to help ensure your satisfaction and pride as an owner of a Volvo.

The warranties described in this booklet assure you that we stand behind our products and services. To help protect your investment, please pay close attention to the section describing owner's responsibilities for proper service and maintenance.

Your Owner's Manual fully explains the functions, operation and comfort features of your Volvo. It should be reviewed by you and others who may have occasion to drive your Volvo.

We wish you many years of safe and pleasureable driving in your new Volvo.

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Volvo's 1997 New Car Warranties At-A-Glance Years Description 2 4 8 New Car Limited Warranty (U.S.) 4 years \$0,000 miles 80,000 kilometers New Car Warranty (Canada) Adjustments 1 year/12,000 miles/20,000 kilometers Genuine Volvo Replacement 1 year/unlimited mileage/kilometers Parts and Accessories* Seatbelt and S.R.S. 5 years unlimited mileage kilometers Corrosion Protection 8 years/unlimited mileage/kilometers Emission Defects and Performance U.S./ Province of British Columbia 2 years/24,000 miles/40,000 kilometers Short-Term Long-Term 8 years/80,000 miles 130,000 kilometers California and Massachusetts 3 years 50,000 miles Performance Defects, Short-Term 3 years 50,000 miles Defects, Long-Term 7 years/70,000 miles **Emission Canada**

Genuine Volvo accessories installed as retailer options, that are purchased as part of the new car sale, are covered

for four (4) years or 50,000 miles/80,000 kilometers, whichever occurs first.

Short-Term

2 years/40,000 kilometers

8 years 130,000 kilometers

Customer Support and Assistance

Your satisfaction with Volvo products and services is of prime importance. Volvo takes pride in producing a quality vehicle, and our efforts are supported by a strong retailer network. Should you have any questions concerning service or your Volvo's performance, your retailer will be happy to answer them for you.

However, there may be times when, despite the best of intentions, concerns may arise that require additional assistance. Should you find yourself in this situation. Volvo and your retailer will cooperate to pursue a satisfactory resolution. We suggest you maintain a written record of events (the problem, related conversations/with whom, important dates, etc.), as well as any supporting documents (invoices, work orders, etc.). Then, we request you take the following steps as necessary:

- 1. Discuss the matter with the appropriate department manager at the retail facility (Service Manager, Parts Manager, etc.). Explain exactly what caused the problem and ask what action will be taken. If the matter remains unresolved after a reasonable length of time, then
- 2. Discuss the matter with the General Manager, explaining what occurred in Step #1. If the matter is not resolved within a reasonable time frame, then the following step should be taken:
- 3. Contact Volvo's Customer Service Department by mail or telephone. In order to assist you, please provide us with the following information:

- Your renumber
- Vehicl Vehicl of Own ner of
- Date o
- Retaile tail Fac
- Descri

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e Department to assist you, ving informa-

- Your name, address, and daytime telephone number
- Vehicle Identification Number (found on your Vehicle Registration Card, Vehicle Certificate of Ownership, and located on the upper left corner of the dashboard)
- · Date of purchase and current mileage
- Retailer's name (Selling and/or Servicing Retail Facility)
- · Description of the problem

In the U.S. -

In certain states, the consumer may be required to provide written notice of an alleged nonconformity to Volvo. In certain states, Volvo may be required to notify the consumer if the consumer is required to first resort to an informal dispute procedure.

In the U.S., contact:

Volvo Cars of North America, Inc. Customer Service Department P.O. Box 914 Rockleigh, NJ 07647-0914 1-(800)-458-1552

In Canada, contact:

Volvo Canada Ltd. Customer Service Department 175 Gordon Baker Road North York, Ontario. M2H 2N7 1-(800)-663-8255

Things You Should Know About Your Volvo Warranties

Where Volvo Warranties Apply

The Warranties described in this booklet apply to new 1997 model year Volvo passenger cars used for non-commercial purposes (i.e., personal/family use). The vehicle must have been originally sold by Volvo Cars of North America, Inc..* and registered and operated in any of the 50 states of the U.S., the District of Columbia, or any of the provinces of Canada. Any remaining portion of the warranties is fully transferable to subsequent owners free-of-charge.

Pre Owned Volvos

If you have purchased a pre-owned Volvo and the New Car Warranty has not expired, you are entitled to the remaining portion of that warranty. Please mail the coupon located on pages 71 and 73 of this booklet to provide the changed ownership information.

Warranty Repairs

Warranty repairs which are required as a result of defects in material or workmanship, and are brought to the attention of an authorized Volvo retailer by an owner, will be performed by an authorized Volvo retailer only at no charge during the warranty period.

To obtain repairs under warranty, contact an authorized Volvo retailer and explain the condition. We recommend your selling retail facility as they are most familiar with your car, its service history, and your driving habits. Have the maintenance records section of this booklet and service records available.

Diagnosis and evaluation of the symptoms and conditions will be made by any authorized Volvo retailer.

*Volvo Cars of North America, Inc., Volvo Canada Ltd. are sometimes referred to in this booklet as "Volvo." All such references to "Volvo" are intended to refer to Volvo Cars of North America, Inc., and/or Volvo Canada Ltd.

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Owner's Responsibilities: Maintenance/Servicing

You are responsible for the following maintenance requirements:

- The operation, maintenance, and care of your Volvo according to the instructions and requirements listed in your Owner's Manual and Warranty and Service Records Information booklet.
- The parts/systems which require seasonal servicing or replacement at recommended maintenance intervals, such as (but not limited to) tune-ups, air conditioning recharge, cleaning, polishing, lubricants, and replacement of consumable and wear items.
- The cost of parts and/or labor for required maintenance services including (without limitation), items listed for your model's initial service and subsequent maintenance service intervals.

Only repairs/diagnosis deemed by the retailer to be covered under warranty will be made within a reasonable period of time during normal business hours. Parts will be repaired or replaced by an authorized Volvo retailer only, using genuine Volvo new or remanufactured parts, at Volvo's discretion. These are the recommended parts for your Volvo. They meet the same design and quality standards as those components originally installed in your car. All parts replaced will become the property of Volvo for technical material analysis or other usage.

Repairs required because of damage, misuse, collision, normal wear and tear, incomplete or improper maintenance are not covered by the warranties. Also, specific items noted within each section of the warranties under "What Is Not Warranted" are excluded and will not be considered.

 Keeping a copy of all repair orders and receipts as well as a record of all maintenance services performed. Records of these services will be required for substantiation of proper maintenance and must be transferred to each subsequent owner.

Production Changes

Volvo reserves the right to make changes in or additions to passenger cars manufactured and/or sold by Volvo at any time without incurring any obligation to make the same or similar changes to passenger cars previously manufactured or sold by Volvo.

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Volvo warrants ger vehicles due and occurring u charge for parts riod. Those part in this section a

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For a complete and Disclaimer

Volvo's 1997 New Car Limited Warranty-U.S. New Car Warranty-Canada

What Is Warranted

Volvo warrants that repairs required to Volvo passenger vehicles due to defects in material or workmanship and occurring under normal use will be made at no charge for parts and/or labor during the warranty period. Those parts and services not covered are detailed in this section and should be carefully reviewed.

Limitations

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No implied warranty of merchantability or fitness for a particular purpose shall apply except during the applicable periods of this warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province. Some states/provinces do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

For a complete description of Volvo's "Limitations and Disclaimers," refer to page 14.

The Warranty Period— Four (4) years/50,000 Miles/80,000 Km

The warranty period for *repairs* is four (4) years or 50,000 miles/80,000 kilometers, whichever occurs first. (Vehicles used for commercial purposes are covered for one (1) year 15,000 miles/24,000 kilometers, whichever occurs first.) The warranty starts on the date the vehicle is sold/delivered to the first retail purchaser or put into service, whichever occurs first.

Vehicles placed into Retailer Demonstrator Service will receive the remainder of the New Car Limited Warranty (U.S.), New Car Warranty (Canada) period when retailed.

Certain components are covered by specific warranties, such as the Federal Emissions Warranty. Once the specific warranty period is over, these components will be covered under the remaining New Car Limited Warranty.

Accessories

Genuine Volvo accessories installed as retailer options, that are purchased as part of the new car sale, are covered by the New Car Limited Warranty (U.S.), New Car Warranty (Canada) for four (4) years or 50,000 miles/80,000 kilometers, whichever occurs first.

Customer Assistance

Should you have questions regarding the warranties or repairs, please review the section titled "Customer Support and Assistance" on pages 4 and 5 of this booklet for owner information and instructions.

Non-commercial vehicles are covered by On Call®, a roadside assistance program which provides coverage for some specific items not covered by the warranties (e.g., towing). A separate booklet describing this program is supplied in your Owner's Wallet.

Wear and Tear Items

As part of your vehicle's normal service and maintenance requirements, certain parts may need to be replaced due to wear and tear. Since these parts are consumed at varying rates, replacement is based on the operation and condition of your car and on fixed schedules under normal operation and use of your vehicle. These items include, but may not be limited to, the following list: filters, fuses, belts, brake pads, wiper blades, light bulbs (including halogen bulbs), clutch lining, shock absorbers, floor mats, upholstery/rugs, etc.

Replacement of these items are the owner's responsibility, with the exception of those items covered during the Adjustments Coverage Period (refer to page 11) or where specific manufacturing defects may be demonstrated.

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Adjustments Coverage

Adjustments which are refinements to the original factory fittings and alignments, and which are required as part of the break-in period, will be made during the Adjustments Coverage Period. Exceptions are items covered under normal maintenance services, including Pre-Delivery or items excluded in the New Car section. The duration of the adjustment coverage is twelve (12) months or 12,000 miles/20,000 kilometers, whichever occurs first.

The term "Adjustments" as used in this warranty refers to minor repairs not usually associated with the replacement of parts or normal maintenance service items. Parts which are covered for replacement because of wear during the Adjustments Period only are: wiper blades, light bulbs (including halogen bulbs), brake pads, shock absorbers and clutch lining. These items may also be covered under the Basic Warranty

Period if manufacturing defects cause the failure. Examples of *labor only* repairs which are covered during the Adjustments Period are wheel balancing, window regulator adjustment and hood adjustment.

Battery

Under the New Car Limited Warranty, the original equipment battery installed in your 1997 Volvo is covered against defects in parts and labor for four (4) years or 50,000 miles/80,000 kilometers, whichever occurs first.

What Is Not Warranted

Tires

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 Tires fitted to the vehicle as original equipment are warranted separately by the tire manufacturer. Therefore, any adjustments must be handled through their service outlet.

The applicable tire warranty booklet is in the Owner's Wallet.

Emission System/Components

 The emission system and specific components carry their own warranty. Refer to pages 32 thru 35 for a listing of systems/components.

Routine Maintenance and Services

- Repairs which are required because of a lack of maintenance, or improper maintenance. Correct maintenance procedures are referenced in your Owner's Manual or the Warranty and Service Records Information booklet.
- Unscheduled maintenance services.

Damage/Deterioration/Corrosion

- Vehicles severely damaged and/or declared to be a total loss by an insurer.
- Vehicles substantially reassembled or repaired from parts obtained from another vehicle previously in operation.
- The use of fuel and/or oil, or other fluids which do not meet the Volvo-approved standards as set forth in the Owner's Manual, Volvo Service Literature or on pages 56 & 57 of this booklet.
- · Failures resulting from misuse, negligence, overloading, modifications (including the electronic management system), accidents or racing.
- Defects or failures resulting from the use of new parts not sold or approved by Volvo, or used parts, or the resultant damage to associated parts or systems.
- Defects or failures resulting from incorrect diagnosis by an independent repair shop.

- · Failures rest the vehicle a or other ind operational | indicates ove
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- · Damage to and seating and tear, mi

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from the use of ved by Volvo, or nage to associated

from incorrect dipair shop.

- · Failures resulting from continued operation of the vehicle after a warning light, gauge reading, or other indication advises of a mechanical or operational problem (e.g. dash instrumentation indicates overheat, loss of oil pressure, etc.).
- Environmental damage to the vehicle's surface which is beyond Volvo's control, such as airborne fall-out (including chemicals, tree sap, etc.) or other atmospheric conditions, hailstones, road hazards, stone chips or other acts of nature. Exterior painted surfaces are covered by the Corrosion Protection Limited Warranty, see page 18.
- Damage to the interior (soft trim, upholstery, and seating areas) resulting from normal wear and tear, misuse, or negligence.

Glass

• Glass breakage, unless it occurs because of defects in material or workmanship.

Odometer Tampering

· Repairs on vehicles for which the true odometer mileage cannot be readily determined.

Inconvenience/Incidental Charges

• The loss of vehicle use, loss of time, telephone calls, towing, lodging, car rental, food, and other incidental and consequential damages.

Parts replaced free of charge under the terms of the New Car Limited Warranty (U.S.). New Car Warranty (Canada) are not subject to the warranty coverage of the Genuine Volvo Replacement Parts and Accessories Limited Warranty. Those parts will be warranted for 90 days or the remainder of the New Car Limited Warranty (U.S.), New Car Warranty (Canada), whichever is greater.

Your Volvo Warranties

Limitations and Disclaimers

ALL OF THE WARRANTIES (LIMITED, U.S. ONLY) IN THIS BOOKLET ARE SUBJECT TO THE FOLLOWING LIMITATIONS AND DISCLAIMERS:

Volvo's written warranty is exclusive and in lieu of all other warranties, whether oral or written, expressed or implied.

No implied warranty of merchantability or fitness for a particular purpose shall apply except during the applicable periods of this limited warranty, U.S.; warranty, Canada.

Volvo does not authorize any individual or corporation to create for it any obligation, liability or other warranty in connection with this vehicle.

Volvo shall not be liable for incidental, special, consequential, or other similar damages arising out of any breach of this written warranty.

Volvo shall not be liable for any damages caused by delay in delivery or furnishing of any products and/or services.

Volvo's liability, if any, for product(s) furnished under this warranty shall in no event exceed the cost of correcting defects in the product(s) as herein provided and upon the expiration of this warranty, any such liability shall terminate.

Note:

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state, province to province. Some states/provinces do not allow limitations on how long an implied warranty lasts. so the above limitations may not apply to you. Some states/provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

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gal rights, and you vary from state to es/provinces do not blied warranty lasts, pply to you. Some exclusion or limitaal damages, so the ly not apply to you.

Genuine Volvo Replacement Parts and Accessories Limited Warranty-U.S. Genuine Volvo Replacement Parts and Accessories Warranty-Canada

What Is Warranted

Volvo warrants to the retail purchaser of each new genuine Volvo replacement part and accessory, that such part or accessory will be free from defects in material or workmanship.

During the warranty period, any such defective part or accessory will be exchanged or repaired at Volvo's discretion without charge, but only by an authorized Volvo retailer.

If, and only if, such part or accessory was originally installed by an authorized Volvo retailer, the labor for removal and replacement will also be covered by this warranty.

Parts replaced free of charge under the terms of another Volvo warranty are not subject to the warranty coverage of the Genuine Volvo Replacement Parts and Accessories Limited Warranty (U.S.), Genuine Volvo Replacement Parts and Accessories Warranty (Canada). Those parts will be warranted for 90 days or the remainder of the original warranty, whichever is greater.

Limitations

No implied warranty of merchantability or fitness for a particular purpose shall apply except during the applicable periods of this warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state, province to province. Some states/provinces do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

For a complete description of Volvo's "Limitations and Disclaimers," refer to page 14.

Warranty Period

Spare Parts Replacement

The warranty period for parts is one (1) year, beginning with the date the part was purchased.

Some parts are covered by a specific limited warranty, for a different period (e.g., snow tires). For those parts, the applicable warranty is supplied at the time of purchase including a listing of conditions and limitations.

Genuine Volvo Accessories

The warranty period for genuine Volvo accessories is one (1) year, beginning with the date the accessory was purchased.

If the accessory was purchased and installed as part of the new car sale, the warranty period is four (4) years or 50,000 miles/80,000 kilometers, whichever occurs first. The warranty period will start and run concurrently with the New Car Limited Warranty (U.S.), New Car Warranty (Canada).

What Is Not Warranted

- Labor for removal and replacement of a defective part or accessory sold. BUT NOT INSTALLED, by an authorized Volvo retailer. In such cases, the defective part/component or accessory will be exchanged, repaired, or replaced at the discretion of Volvo.
- Parts or accessories not sold, supplied, or approved by Volvo.
- Failures resulting from improper installation of parts or accessories, a lack of maintenance or improper maintenance.
- Damage because of normal wear and tear.
- The loss of vehicle use, loss of time, inconvenience, or other incidental charges such as tele-

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f time, inconveges such as telephone calls, towing, lodging, car rental, or food, and/or other consequential damages, except where required by law.

• Failure resulting from misuse, negligence, overloading, modifications, accidents or racing.

Purchaser's Obligations

When requesting warranty repairs on replacement parts or accessories, the purchaser must present evidence of purchase (sales ticket or repair order showing payment to any authorized Volvo retailer in the United States or Canada), during normal business hours.



Volvo's Corrosion Protection Limited Warranty - U.S. Volvo's Corrosion Protection Warranty - Canada

What Is Warranted

Volvo warrants that your 1997 model year Volvo's original painted body sheet metal panels will remain free from the following conditions which result from defects in design, material or workmanship under normal use and operating conditions (except for those items listed under "What Is Not Warranted"):

- Defects to the exterior painted sheet metal surfaces for a period of one (1) year.
- 2. Perforation of the body sheet metal panels for a period of five (5) years.
- 3. Structural damage due to rust/corrosion for a period of eight (8) years.

Limitations

No implied warranty of merchantability or fitness for a particular purpose shall apply except during the applicable periods of this warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province. Some states/provinces do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

For a complete description of Volvo's "Limitations and Disclaimers," refer to page 14.

Warranty

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Warranty

Under the terms Volvo retail fac discretion, the at charge. Repairs riod of time, du

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Warranty Period

The warranty period is divided into the segments listed for a total of eight (8) years. For each of these segments, there is no mileage/kilometer limitation.

The warranty begins with the date the vehicle is sold/ delivered to the first retail purchaser or put into service, whichever occurs first.

Warranty Repairs

Under the terms of this warranty, only an authorized Volvo retail facility will repair or replace, at Volvo's discretion, the affected body sheet metal panels free of charge. Repairs will be made within a reasonable period of time, during normal business hours.

What Is Not Warranted

- Exhaust system, driveline, steering, braking or suspension components, bumpers, wheels, wheel covers, and mirrors.
- Damage to the body caused by accident, misuse, negligence, alteration, fire or battery acid.
- Damage resulting from stone-chipping, mechanical damage, scratches, dents, industrial fall-out, environmental damage (including, but not limited to, chemicals, tree sap, other atmospheric conditions, etc.) hailstones, road hazards, or other acts of nature, and unrepaired accident damage.
- · Improper or substandard repair work.
- Defects or failures resulting from the use of new parts not sold or approved by Volvo, or used parts, or the resultant damage to associated parts or systems.
- Normal aging of paint because of use, exposure and climate, including oxidation, fading, etc.
- Damage created as a result of improper re-treatment of components following repair.

Owner's Obligations

Failure to make corrections of accident damage, acts of nature, or to maintain the vehicle properly, including washing and polishing as described in the Owner's Manual, voids this warranty.

It is your responsibility to retain all maintenance and repair documentation. These must be passed on to subsequent owners. To avoid potential deterioration, your retailer must be notified as soon as possible of any problems with the painted surfaces.

Special Note:

This warranty can be provided because in manufacturing the vehicle, Volvo used processes and materials which are designed to help resist corrosion. The application of additional rustproofing products at the time of new car purchase, is not recommended by Volvo. If non-Volvo products were chemically incompatible with the Volvo factory-applied protection, they could cause problems which would result in voiding this warranty.

If an accident should occur, you must ensure that the following conditions are met in order to maintain coverage under the Corrosion Protection Warranty:

- · repairs are performed to Volvo standards,
- only genuine Volvo new replacement parts are installed.
- undercoating and/or rustproofing is re-applied wherever necessary. (See your Volvo retailer for details on Volvo-approved rust prevention materials.)

Seatbelt Seatbelt

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Seatbelt and Supplemental Restraint Systems Limited Warranty - U.S. Seatbelt and Supplemental Restraint Systems Warranty - Canada

What Is Warranted

Volvo warrants that repairs required due to defects in the material or workmanship to the seatbelt system and Supplemental Restraint System(SRS) installed in your 1997 model year vehicle will be performed free-of-charge during the warranty period (except for those items listed under "What Is Not Warranted").



Limitations

No implied warranty of merchantability or fitness for a particular purpose shall apply except during the applicable periods of this warranty.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state, province to province. Some states/provinces do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

For a complete description of Volvo's "Limitations and Disclaimers," refer to page 14.

The Warranty Period

The warranty period is five (5) years and has no mileage/kilometer limitation.* It begins with the date the vehicle is sold/delivered to the first retail purchaser or put into service, whichever occurs first.

What Is Not Warranted

- Seatbelt system and Supplemental Restraint System components which show evidence of damage because of abuse, misuse, negligence, tampering, or improper installation.
- Replacement of seatbelt system or Supplemental Restraint System components after a vehicle has been involved in a collision.
- The loss of vehicle use, loss of time, inconvenience or other incidental charges, such as telephone calls, towing, lodging, car rental, or food, or other consequential damages except where required by law.
- Repairs required as part of normal maintenance.
- Replacement of components in accordance with the maintenance schedule.

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Seatbelts are gineered into

Volvo urges to properly v ensure that c seats only, u termined by

^{*} In the U.S., some states have mandated alternate warranty coverage for seatbelts only. Contact your Volvo retailer for details of local requirements.

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nal maintenance. accordance with

Seatbelts: "Something We Believe In"

Despite our strongest recommendations, and your best intentions, not wearing a seatbelt is like believing "it'll never happen to me!"

Seatbelts are an integral part of the safety system engineered into each Volvo.

Volvo urges you and all adult occupants of your car to properly wear seatbelts in all seating positions, and ensure that children are properly restrained in the rear seats only, using an infant car seat or booster seat determined by age, weight and height. Fact: In every state, some type of child-restraint legislation has been passed. Additionally, most states have already made it mandatory for occupants of a car to use seatbelts.

So, urging you to "buckle up" is not just our recommendation - it's becoming the law! The few seconds it takes to buckle up may one day allow you to say, "It's a good thing I was wearing my seatbelt."

Instructions for proper seatbelt usage can be found in your Owner's Manual.



Emission Warranties - U.S. and Canada

Design and Defect Warranty

What Is Warranted-U.S.

Volvo warrants that your 1997 model year Volvo was designed, built, and equipped to conform at the time of sale to U.S. emission standards, in accordance with Section 207(A) of the Federal Clean Air Act, which was applicable when the vehicle was manufactured.

What Is Warranted-Canada

Volvo warrants that your 1997 model year Volvo was designed, built, and equipped to conform at the time of sale to Canadian emission standards, in accordance with the Canadian Motor Vehicle Safety Act, which was applicable when the vehicle was manufactured.

U.S. and Canada

This warranty covers repairs resulting from any defect in material or workmanship which would cause the vehicle not to meet emission standards during the applicable warranty period. Some components considered part of the emission system applicable to this warranty appear on pages 32 thru 35.

This emission warranty is not conditionally based on the use of genuine Volvo parts or service. However, failures which occur as a result of abuse or lack of maintenance are not eligible for coverage.

Warrant

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Warranty Period

The warranty period is for two (2) years or 24,000 miles/40,000 kilometers, whichever occurs first, except for certain specified major emissions components for which the coverage is eight (8) years or 80,000 miles/130,000 kilometers, whichever occurs first. These major components include only the three-way catalytic converter (TWC), electronic control module (ECM) and the on-board diagnostic device (OBD device). (Refer to the 1997 Emission Warranty Parts List for specific components' coverage.) It begins on the date the vehicle is sold/delivered to the first retail purchaser or put into service, whichever occurs first. Any remaining portion of the warranty is fully transferable to subsequent owners free-of-charge.

Where the Warranty Applies

This warranty applies to 1997 model year vehicles sold by Volvo Cars of North America, Inc., or Volvo Canada Ltd., certified for sale, registered and normally operated in any of the 50 states, the provinces of Canada, the District of Columbia, or any territories or commonwealths of the United States.

Repairs and Service

The emission control system of your new 1997 model year Volvo passenger car was designed, built, and tested using genuine Volvo parts. The car is certified to be in conformity with the appropriate U.S. Federal or Canadian emission control regulations at the time of production.

Servicing

It is recommended that any replacement parts used for maintenance, repair, or replacement of emission control systems be genuine Volvo parts or genuine Volvo remanufactured parts.

You may elect to have maintenance, repair, or replacement of the emission control devices and systems performed by any automotive repair establishment or individual. You may also elect to use parts other than genuine Volvo parts or genuine Volvo remanufactured parts which have been certified by the part manufacturer for such maintenance, repair, or replacement without invalidating this warranty. The cost of such service or parts, however, will not be covered under the warranty.

Parts

Use of replacement parts which are not equivalent to Volvo quality may impair the effectiveness of emission control systems. If other than genuine Volvo parts or genuine Volvo remanufactured parts are used for maintenance, repair, or replacement of components affecting emission control, the owner must obtain assurances that such parts are warranted by their manufacturer to be equivalent to genuine Volvo parts in performance and durability. Volvo assumes no liability under this warranty for parts other than genuine Volvo parts or genuine Volvo remanufactured parts. However, the use of non-Volvo replacement parts does not invalidate the warranty on other components unless the non-Volvo parts cause damage to warranted parts or systems.

Retailer Service

Repairs and service covered by this warranty will be performed by an authorized Volvo retailer at his place of business with no charge for parts or labor (including diagnosis), using genuine Volvo parts or genuine Volvo remanufactured parts for any part of the emission control system covered by this warranty and found defective.

If an emergency occurs and no authorized Volvo retailer is available, repairs may be performed at any available service establishment. Volvo will reimburse the owner for such repairs (including labor, in most cases) that are covered under this warranty. Replaced parts and paid invoices must be presented at a Volvo retail facility as a condition of reimbursement for emergency repairs not performed by a Volvo retailer.

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Receipts c nance mus purposes. subsequen nty will be at his place or (includor genuine of the emismanty and

d Volvo remed at any ll reimburse por, in most y. Replaced d at a Volvo rsement for olvo retailer.

We encourage you to have all recommended maintenance and repairs on your new 1997 Volvo vehicle completed. Volvo will not deny a warranty claim solely because you have no record of maintenance; however, Volvo may deny a warranty claim if your failure to perform maintenance resulted in the failure of a warranted part.

Receipts covering the performance of regular maintenance must be retained for reference and confirmation purposes. The receipts must be transferred to each subsequent owner of this car.

Emission Warranties

What Is Not Warranted

- 1. Normal maintenance services as specified in the Owner's Manual and page 12 of this booklet.
- 2. Malfunctions in any part caused by any of the following: misuse, improper adjustments, modification, alteration, tampering, disconnection of system parts, and improper, inadequate or non-maintenance.
- Damage resulting from accidents, acts of nature, and events beyond the control of Volvo.
- 4. The use of fuel and/or oil or other fluids which do not meet the Volvo-approved standards as set forth on page 56 and 57 of this booklet, the Owner's Manual, or Volvo Service Literature.

- Repairs on vehicles for which the true odometer mileage cannot be readily determined.
- The cost incurred from the use of parts other than genuine Volvo replacement parts or genuine Volvo remanufactured parts used for maintenance, repair or replacement affecting components of the emission control system.
- 7. Any loss of time, inconvenience, loss of vehicle use or commercial loss.

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Emission Performance Warranty-U.S., and the Province of British Columbia Only

In accordance with Section 207(B) of the Clean Air Act, and the British Columbia Emission Control System Warranty Regulations, Volvo warrants to the first vehicle purchaser and each subsequent purchaser, that if

1. the vehicle is maintained and operated in accordance with the written instructions for proper maintenance and use (Refer to the Owner's Manual under the section titled "Service and Routine Maintenance"), and

2. the vehicle fails to conform at any time during the first 24,000 miles/40,000 kilometers or two (2) years (whichever occurs first) to the applicable emission standards as judged by an EPAapproved emission test, or the British Columbia Air Care Program, and

3. such non-conformity results or will result in the vehicle owner having to bear any penalty or other sanction (including denial of the right to use the vehicle) under local, state, federal or provincial law, then Volvo shall remedy the non-conformity at no cost to the owner.

Some components considered part of the two (2) Year/24,000 mile/40,000 kilometer Emission Performance Warranty are listed on pages 32 thru 35.

Exceptions

- 1. If the vehicle has been in operation for more than two (2) years or 24,000 miles/40,000 kilometers, Volvo will remedy only those non-conformities resulting from failure of certain specified emission control components for which coverage is eight (8) years or 80,000 miles/130,000 kilometers, whichever occurs first. These major components include only the three-way catalytic converter (TWC), electronic control module (ECM) and the on-board diagnostic device (OBD device)
- Volvo may deny an Emission Performance Warranty claim on the basis of an uncertified replacement part used in the maintenance and repair of a vehicle if the part in question is either defective in material or workmanship or not equivalent from an emission standpoint to the original equipment part.
- 3. An Emission Performance Warranty claim may be denied on the basis of non-compliance by a vehicle owner with the written instructions for proper maintenance and use.

Emission Warranties 29

Servicing

It is recommended that any replacement parts used for maintenance, repair or replacement of emission control systems be genuine Volvo parts or genuine Volvo remanufactured parts.

You may elect to have maintenance, repair, or replacement of the emission control devices and systems performed by any automotive repair establishment or individual. You may also elect to use parts other than genuine Volvo parts or genuine Volvo remanufactured parts which have been certified by the part manufacturer for such maintenance, repair or replacement without invalidating this warranty. The cost of such service or parts however, will not be covered under the warranty.

Customer Assistance

Volvo wants to ensure that the Emission Warranties are properly administered. If you do not receive the warranty service to which you believe you are entitled under these warranties, you should contact in the U.S.:

Volvo Cars of North America, Inc. Customer Service Department P.O. Box 914 Rockleigh, NJ 07647-0914 1-(800) 458-1552

You may obtain further information concerning the Emission Performance Warranty and, Emission Design and Defect Warranty, or report violations of the terms of these warranties, by contacting:

Vehicle Compliance Programs Group (6405J) U.S. Environmental Protection Agency 401 "M" Street, S.W. Washington, DC 20460

In Canada:

Volvo Canada, Ltd.
Customer Service Department
175 Gordon Baker Road
North York, Ontario M2H 2N7
1-(800) 663-8255

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rmation concerning the anty and, Emission Dereport violations of the contacting:

Programs Group J) 'rotection Agency set, S.W. DC 20460

ada, Ltd. ce Department 3aker Road ario M2H 2N7 63-8255

Warranty Claim Procedures

An Emission Performance Warranty claim may be raised immediately upon the failure of an EPA-approved emission test or British Columbia Air Care Test, if, as a result of that failure, an owner is required by law to take action of any kind in order to avoid imposition of a penalty or sanction. A warranty claim may be generated by bringing a vehicle to any authorized Volvo retailer. To the extent required by any federal or state law, whether statutory or common law, a vehicle manufacturer shall be required to provide a means for non-franchised repair facilities to perform Emission Performance Warranty repairs.

However, to avoid delay and ensure proper service, it is recommended that service under this warranty be performed by an authorized Volvo retailer.

When determining whether an owner has complied with the written instructions for proper maintenance

and use, Volvo may require an owner to submit evidence of compliance if it has an objective reason for believing:

- 1. maintenance was not performed and,
- that if not performed, it could be the cause of the vehicle exceeding applicable emission standards.

Failure to notify the owner of a decision to honor or deny an Emission Performance Warranty claim within thirty (30) days from the time the vehicle is presented for repair shall result in the vehicle manufacturer being responsible for repairing the vehicle without charge to the vehicle owner, unless such failure is attributable to the vehicle owner or to events which are beyond the control of the vehicle manufacturer or repair facility.

1997 Emission Warranty Parts List - Canada

The following are some items covered by the Emission Design and Defect Warranty for two (2) years or 40,000 km, whichever occurs first. This only applies to engines/models, components, or systems fitted with those items. Components marked with an "*" are covered by the Long Term Defect Warranty for eight (8) years or 130,000 km, whichever occurs first.

Ignition System

Ignition Cables Distributor (DI)

- Rotor
- Cap

Ignition Coil(s)

Power Stage

Ignition Control Module (ICM) *

Spark Plugs

Knock Sensor (KS)

Engine Speed (RPM) Sensor

Fuel Metering System

Fuel Pressure Regulator

Mass Air Flow (MAF) Sensor

Multiport Fuel Injection (SFI) Control Module *

Fuel Injectors

Idle Air Control (IAC) Valve

Engine Coolant Temperature (ECT) Sensor

Throttle Position (TP) Switch/Potentiometer

Series Resistor

Heated Oxygen Sensor (HO2S)

Cold Start Injector

Intake Air Temperature (IAT) Sensor

Manifold Absolute Pressure (MAP) Sensor

Camshaft Position (CMP) Sensor

Evaporative E Fuel Filler Cap

Vapor Storage Fuel Filler Pipe Purge Control '

Positive Cranl PCV Calibrated

Air Intake Sys

Air Pre-Heatin Intake Manifol Turbocharger (TC Wastegate Charge Air Co

* Covered by the Long

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vo (2) years or 40,000 itted with those items. t (8) years or 130,000

) Control Module *

(ECT) Sensor /Potentiometer

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') Sensor (MAP) Sensor ensor

Evaporative Emission System

Fuel Filler Cap Vapor Storage Canister Fuel Filler Pipe Purge Control Valve

Positive Crankcase Ventilation

PCV Calibrated Orifice

Air Intake System

Air Pre-Heating System Intake Manifold Turbocharger (TC) Assembly TC Wastegate Actuator Charge Air Cooler (CAC)

Secondary Air System

Pulsed/Secondary Air Injection (P/AIR)

Catalyst System

Three-way Catalytic Converter (TWC) *
Exhaust Manifold
Exhaust Pipe (Manifold to TWC)

Miscellaneous items used in above systems

Hoses, clamps, fittings, tubing, sealing gaskets or devices, pulleys, belts and mounting hardware and electronic controls (all models)

^{*} Covered by the Long Term Defect Warranty for eight (8) years or 130,000 km, whichever occurs first



1997 Emission Warranty Parts List - Federal - U.S. and Canadian Province of British Columbia

The following are some items covered by the Emission Design and Defect and Performance Warranties for two (2) years or 24,000 miles/40,000 km, whichever occurs first. This only applies to engines/models, components, or systems fitted with those items. Components marked with an "*" are covered by the Long Term Defect and Performance Warranty for eight (8) years or 80,000 miles/130,000 km, whichever occurs first.

Ignition System Ignition Cables

Distributor (DI)

- Rotor/cap

Ignition Coil(s)

Power Stage

Ignition Control Module (ICM) *

Spark Plugs

Knock Sensor (KS)

Engine Speed (RPM) Sensor

Fuel Metering System Fuel Pressure Regulator Mass Air Flow (MAF) Sensor Fuel Metering System - continued Multiport Fuel Injection (SFI) *

Control Module

Fuel Injectors

Idle Air Control (IAC) Valve

Engine Coolant Temperature

(ECT) Sensor

Throttle Position (TP)

Switch/Potentiometer

Series Resistor

Heated Oxygen Sensor (HO2S)

Cold Start Injector

Intake Air Temperature

(IAT) Sensor

Fuel Meterin Manifold Abs (MAP) ser Camshaft Pos

Evaporative Fuel Filler Ca Vapor Storag Fuel Filler Pi

Purge Contro

Positive Cra PCV Calibra:

Air Intake S Air Pre-Heat Intake Manif Turbocharge TC Wastegat Charge Air C

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mance Warranties for two ines/models, components, he Long Term Defect and occurs first.

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Fuel Metering System - continued Manifold Absolute Pressure (MAP) sensor Camshaft Position (CMP) Sensor

Evaporative Emission System
Fuel Filler Cap
Vapor Storage Canister
Fuel Filler Pipe
Purge Control Valve

Positive Crankcase Ventilation
PCV Calibrated Orifice

Air Intake System
Air Pre-Heating System
Intake Manifold
Turbocharger (TC) Assembly
TC Wastegate Actuator
Charge Air Cooler (CAC)

Secondary Air System Pulsed/Secondary Air Injection (P/AIR)

Catalyst System
Three-way Catalytic *
Converter (TWC)
Exhaust Manifold
Exhaust Pipe (Manifold
to TWC)

Miscellaneous items used in above systems

Hoses, clamps, fittings, tubing, sealing gaskets or devices, pulleys, belts and mounting hardware and electronic controls (all models)

* Covered by the Long Term Defect and Performance Warranty for eight (8) years or 80,000 miles/130,000 kilometers, whichever occurs first.

Retailer Certification (For ID Only) - U.S.

Ref: Title 40, Code of Federal Regulations, Section 85.2108

Your authorized Volvo retailer certifies that this Volvo vehicle conforms to all applicable emission standards of the U.S. Environmental Protection Agency. This certification is based on:

- The retailer's knowledge that the vehicle is covered by an EPA Certificate of Conformity.
- A visual inspection of the vehicle, including the engine, to assure that all emission-related components have been properly installed; and
- The retailer's performance of all emissionrelated preparation required by the manufacturer prior to the sale of the vehicle.

If this vehicle fails an EPA-approved emission test prior to the expiration of three (3) months or 4,000 miles (whichever occurs first) from the date or mileage at the time of delivery of the vehicle to the ultimate purchaser, and the vehicle has been maintained and used in accordance with the written instructions for proper maintenance and use, then Volvo shall remedy the non-conformity under the Emission Performance Warranty.

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proved emission test (3) months or 4,000 rom the date or milene vehicle to the ultihas been maintained e written instructions se, then Volvo shall der the Emission Per-

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Emission Warranties - California and Massachusetts

California and Massachusetts Emission Control Warranty Statement

Your Warranty Rights and Obligations

The California Air Resources Board and Volvo Cars of North America, Inc. are pleased to explain the emission control system warranty on your 1997 Volvo passenger vehicle. In California and Massachusetts, new motor vehicles must be designed, built and equipped to meet the state's stringent anti-smog standards. Volvo must warrant the emission control system on your passenger vehicle for the periods of

time listed on the next page, provided there has been no abuse, neglect or improper maintenance of your car.

Your emission control system may include parts such as the fuel-injection system, the ignition system, catalytic converter, and engine computer. Also included may be hoses, belts, connectors and other emission-related assemblies.

Where a warrantable condition exists, Volvo Cars of North America, Inc. will repair your passenger vehicle at no cost to you including diagnosis, parts and labor.

Water

Manufacturer's Warranty Coverage

For three (3) years or 50,000 miles, whichever first occurs:

If your vehicle fails a Smog Check inspection, all necessary repairs and adjustments will be made by Volvo to ensure that your vehicle passes the inspection. This is your emission control system PERFORMANCE WARRANTY.

If any emission-related part on your vehicle is defective, the part will be repaired or replaced by Volvo. This is your short-term emission control system DEFECTS WARRANTY.

For seven (7) years or 70,000 miles, whichever first occurs:

If an emission-related part listed in this warranty booklet, specially noted with coverage for seven (7) years or 70,000 miles, is defective, the part will be repaired or replaced by Volvo. This is your long-term emission control system DEFECTS WARRANTY.

Owner's

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Owner's Warranty Responsibilities

10 miles, whichever

ort listed in this warneed with coverage for 0 miles, is defective, or replaced by Volvo. nission control system As the vehicle owner, you are responsible for the performance of the required maintenance listed in your Owner's Manual and this booklet. Volvo recommends that you retain all receipts covering maintenance on your car, but Volvo cannot deny warranty solely for the lack of receipts or for your failure to ensure the performance of all scheduled maintenance.

You are responsible for presenting your vehicle to a Volvo retailer as soon as a problem exists. The warranty repairs should be completed in a reasonable amount of time, not to exceed thirty (30) days.

As the vehicle owner, you should also be aware that Volvo may deny you warranty coverage if your vehicle or a part has failed due to abuse, neglect, improper maintenance or unapproved modifications.

If you have any questions regarding your warranty rights and responsibilities, you should contact Volvo Cars of North America, Inc., Customer Service Department, Rockleigh, NJ 07647 (at 1-800-458-1552) or the California Air Resources Board at 9528 Telstar Avenue, El Monte, CA 91731, or the Massachusetts Department of Environmental Protection at 1 Winter Street, Boston, MA 02108.

Warranty Information

Volvo's Emission System Warranty States of California and Massachusetts Only

Volvo Cars Of North America, Inc.* (Volvo) warrants that your 1997 model year Volvo passenger vehicle was designed, built and equipped to conform to applicable California or Massachusetts emission standards as specified under the Health and Safety Code 43205.

This warranty covers repairs resulting from any defect in material or workmanship which would cause any part installed on this vehicle which affects any regulated emissions to not meet these requirements or would cause the vehicle to fail to pass a Smog Check test during the applicable warranty period.

Warranty Coverage

The warranty period begins on the date the vehicle is delivered to the first retail purchaser or the initial date the vehicle is put into service, whichever occurs first. The emission warranty is transferable to subsequent owners.

The vehicle must be maintained and operated under normal use in accordance with Volvo's written instructions for proper maintenance and use, which are detailed in the Owner's Manual and in this booklet. Items and conditions listed under "What Is Not Warranted" are excluded, if any of these conditions exist.

*Volvo Cars of North America. Inc.. is sometimes referred to in this booklet as "Volvo". All such references to "Volvo" are intended to ranty. Some strefer to Volvo Cars of North America. Inc.

No implied warranty of merchantability or fitness for a particular purpose shall apply except during the applicable periods of this warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you.

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Repairs

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is on the date the vehicle is purchaser or the initial date ice, whichever occurs first. transferable to subsequent

ntained and operated under e with Volvo's written initenance and use, which are vanual and in this booklet. d under "What Is Not Warny of these conditions exist.

intability or fitness for a particular ig the applicable periods of this warlimitations on how long an implied tations may not apply to you. Volvo will repair, adjust, or replace a part when performing a repair under the warranty.

The emission warranty is not conditionally based on the use of genuine Volvo parts. Failures which occur, however, because of abuse or lack of required maintenance, are not eligible for coverage.

Where The Warranty Applies

This warranty applies to 1997 model year vehicles originally sold by Volvo Cars of North America, Inc., certified for sale and registered in the states of California and Massachusetts,

Repairs and Service

The emission control system of your new 1997 Volvo passenger car was designed, built and tested using genuine Volvo parts, and the car is certified to be in conformity with California and Massachusetts emission control requirements.

According to Federal regulations, you are eligible for

additional emissions warranty coverage for up to eight (8) years or 80,000 miles, whichever first occurs for certain specific major emission components. The Federal emissions warranty starts on the date the vehicle is sold to the first retail purchaser or put into service, whichever occurs first. California, Massachusetts and Federal Warranty coverages are concurrent.

Servicing

It is recommended that any replacement parts used for maintenance, repair or replacement of emission control systems be genuine Volvo parts or genuine Volvo remanufactured parts. The owner may elect to have maintenance, replacement, or repair of the emission control devices and systems performed by any automotive repair establishment or individual. He/she may also elect to use parts other than genuine Volvo parts or genuine Volvo remanufactured parts for such maintenance, replacement, or repair without invalidating this warranty. The cost of such service parts, however, will not be covered under the warranty except in an emergency. (See Retailer Service.)

Parts

Replacement parts which are not equivalent to Volvo quality may impair the effectiveness of emission control systems. If other than genuine Volvo parts or genuine Volvo remanufactured parts are used for maintenance, replacement or repair of components affecting emissions, the owner should obtain assurances that such parts are warranted by their manufacturer to be equivalent to genuine Volvo Cars of North America, Inc. parts in performance and durability.

Volvo assumes no liability under this warranty for parts other than genuine Volvo parts or genuine Volvo remanufactured parts. The use of non-Volvo replacement parts, however, does not invalidate the warranty on other components unless non-Volvo parts cause damage to those warranted parts or systems.

Retailer Service

Repairs, adjustments, and service covered by this warranty will be performed by any authorized Volvo retailer at his place of business. There will be no charge for parts or labor (including diagnosis) when genuine Volvo parts or genuine Volvo remanufactured parts are used for any part of the emission control system or for any part which may affect emissions covered by this warranty.

If an emergency occurs and an authorized Volvo retailer is not reasonably available, repairs may be performed at any available service establishment or by any individual, using any replacement part. When a warranted part is not available within thirty (30) days or the repair cannot be completed within thirty (30) days, repairs may be performed at any available service establishment or by any individual, using any replacement part.

Volvo will reim (including diagranty. The expe gested retail pri labor charges, I allowance for the cally appropria and paid invoice ership as a cond repairs not perf

Failure to notif deny a Perform days from the ti repair shall res responsible for the vehicle ow: the vehicle ow: the vehicle ma: ce covered by this wariny authorized Volvo ess. There will be no uding diagnosis) when uine Volvo remanuiy part of the emission which may affect emisy.

I an authorized Volvo ailable, repairs may be vice establishment or by lacement part. When a e within thirty (30) days leted within thirty (30) ned at any available serindividual, using any reVolvo will reimburse the owner for emergency repairs (including diagnosis) that are covered under this warranty. The expenses, however, cannot exceed our suggested retail price for all warranted parts replaced and labor charges, based on Volvo's recommended time allowance for the warranty repair and the geographically appropriate hourly labor rate. Replaced parts and paid invoices must be presented at a Volvo dealership as a condition of reimbursement for emergency repairs not performed by a Volvo retailer.

Failure to notify the owner of a decision to honor or deny a Performance-Warranty Claim within thirty (30) days from the time the vehicle is initially presented for repair shall result in the vehicle manufacturer being responsible for repairing the vehicle without charge to the vehicle owner, unless such failure is attributable to the vehicle owner or to events beyond the control of the vehicle manufacturer or the repair facility.

You are advised to have all recommended maintenance or repairs on your new 1997 Volvo vehicle performed. Volvo will not deny a warranty claim solely because you have no record of maintenance; however, we may deny a warranty claim if your failure to perform required maintenance resulted in the failure of a warranted part.

Receipts and/or maintenance records covering the performance of regular maintenance should, therefore, be retained in the event questions arise concerning maintenance. The receipts and records should be transferred to each subsequent owner of this car.

Warranty Information

California and Massachusetts Inspection Program

The following provisions apply to vehicles which fail to pass the California or Massachusetts Smog Check. Should your vehicle fail the inspection during the warranty period, you may choose to have the vehicle repaired at any authorized Volvo retailer. The authorized Volvo dealer will make the necessary repairs within the three (3) year/50,000-mile period so that the vehicle will pass the inspection. After three (3) years/ 50,000 miles, but before a period of use of seven (7) years/70,000 miles, the authorized Volvo dealer will repair or replace only those parts listed on page 47. After seven (7) years/70,000 miles, but before a period of use of eight (8) years/80,000 miles, the authorized Volvo retailer will cover only the catalytic converter, electronic control unit and on-board diagnostic device. Volvo will pay for the repair unless the failure was caused by abuse, neglect, improper maintenance, or the use of leaded fuel or fuels not recommended in your Owner's Manual or this booklet.

If the failure is covered under this warranty, Volvo shall be liable for diagnostic and repair expenses. If the failure is caused by a combination of warrantable and non-warrantable conditions, the owner shall not be liable for the portion of diagnostic and repair costs relating to the warrantable condition. If the failure is caused by a non-warrantable condition, the vehicle owner shall be liable for all diagnostic and repair expenses, but not to exceed the maximum permissible under the inspection program. The owner may choose to have the vehicle repaired at a facility other than a Volvo retailer; however, if a warrantable condition is found, the owner must bring the vehicle to an authorized Volvo retailer to have the repairs completed at no cost for parts, labor, and diagnosis. Volvo will not reimburse the owner for diagnostic costs incurred at the unauthorized service facility except in the case of an emergency.

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- 3. Damage res ture, or even
- 4. The use of f do not meet set forth in t and 57 of th
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der this warranty, Volvo ic and repair expenses. If ombination of warrantable itions, the owner shall not diagnostic and repair costs condition. If the failure is ible condition, the vehicle Il diagnostic and repair exthe maximum permissible am. The owner may choose ed at a facility other than a f a warrantable condition is ing the vehicle to an authore the repairs completed at no liagnosis. Volvo will not reignostic costs incurred at the ility except in the case of an

What Is Not Warranted

- Normal maintenance services as specified on page 12 of this booklet.
- Malfunctions in any part caused by misuse, improper adjustments (by other than a Volvo dealer during warranty repair work), modification, alteration, tampering or disconnection of system parts.
- Damage resulting from accidents, acts of nature, or events beyond the control of Volvo.
- The use of fuel and/or oil or other fluids which do not meet the Volvo-approved standards as set forth in the Owner's Manual and on page 56 and 57 of this booklet.
- Repairs on vehicles for which the true odometer mileage cannot be readily determined.

- Parts other than genuine Volvo replacement or remanufactured parts used for maintenance, repair or replacement affecting components of the emission control system.
- 7. Any loss of time, inconvenience, loss of vehicle use or commercial loss.

Volvo's written warranty is exclusive and in lieu of all warranties, whether oral or written, expressed or implied.

No implied warranty of merchantability or fitness for a particular purpose shall apply except during the applicable periods of this warranty.

Volvo does not authorize any individual or corporation to create for it any obligation, liability or other warranty in connection with this vehicle.

Volvo's liability, if any, for product(s) furnished under this warranty shall in no event exceed the cost of correcting defects in the product(s) as herein provided and upon the expiration of this warranty, any such liability shall terminate.

Note:

This warranty gives you specific legal rights and you may also have other rights. California and Massachusetts may not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. California and Massachusetts may not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

Emission

The components System Warrant

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r product(s) furnished in no event exceed the s in the product(s) as the expiration of this y shall terminate.

cific legal rights and you California and Massaitations on how long an o the above limitations fornia and Massachusetts 1 or limitation of incidens, so the above limitations y to you.

Emission Parts List - California and Massachusetts

The components listed in the chart below are covered under the California and Massachusetts Emission System Warranty for warrantable repairs up to seven (7) years or 70,000 miles, whichever occurs first.

Parts	Comments
Intake Manifold	All
Exhaust Manifold	All
Three-Way Catalytic Converter (TWC)	All
Motronic Engine Control Module (ECM)	All
Mass Air Flow (MAF) Sensor	960
Fuel Tank	All
Turbocharger	850 T5, 850R, 850GLT
Charge Air Cooler (CAC)	850 T5, 850R, 850GLT

Warranty Information

Overseas Operations

The warranties provided in this booklet are for 1997 Volvo passenger cars built to U.S. or Canadian specifications sold by Volvo and normally operated and registered in any of the 50 states of the U.S., the District of Columbia, or any provinces of Canada.

Travel Outside of the U.S. and Canada

Should warranty repairs be required while you are temporarily traveling abroad, and the repairs are covered under the warranties in this booklet, but not under the 12-Month International Warranty, payment for the repairs may be required. Signed repair orders and/or bills covering the repair may be submitted to Volvo Cars of North America Customer Service Department in U.S., Volvo Canada Customer Service Department in Canada, for reimbursement after the warranted repair is completed, or to your Volvo retailer upon returning to the U.S. or Canada.

Registration Outside of the U.S. or Canada

If you register your U.S. or Canadian specification vehicle outside of the 50 states of the U.S., the District of Columbia, or the provinces of Canada, then the 12–Month International Warranty shall only apply.

Tourist and Diplomat Sales

U.S. and Canadian specification vehicles sold by Volvo TDS for ultimate use in the U.S. or Canada and operating abroad are covered by the 12-Month International Warranty. The warranties outlined in this booklet will be reinstated for those vehicles upon return to the U.S. or Canada.

Jame/Addres

This card is provided for address changes. This tion is extremely imposhould Volvo need to a of either a maintenancy change or mandatory.

Contact Preference

I prefer to be contacted

- □ Telephone
- ☐ Mail
- ☐ Neither
- I am interested in the

 New Products And S
- Promotional Offers
- □ Opinion Polls
- ☐ None Of The Above
- If called, I prefer to be
- □ Daytime
- ☐ Eventing
 ☐ Weekend

48 Overseas Operations

this card is provided for address changes. This is tion is extremely impo

lanadian specification of the U.S., the District of Canada, then the 12-1 shall only apply.

nat Sales

ation vehicles sold by the U.S. or Canada and by the 12-Month Interranties outlined in this those vehicles upon re-

This card is provided for name/	[] Name Ch.
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tion is extremely important	Address Change: Individual Move Family Move
should Volvo need to advise you	Used Car Purchase from: 🔾 Volvo Dealer 🔾 Other Dealer 🗘 Private Sale
of either a maintenance or service	Effective Date :
change or mandatory recall.	Month Day Year
Contact Preference:	Model Year Odometer Reading
I prefer to be contacted by:	
☐ Telephone	Vehicle Identification Number (located left top side of dashboard)
☐ Mail	
□ Neither	First Name MI Last Name
	≥ Strapt Addrages
I am interested in the following:	Street Address
☐ New Products And Services	City State Zip Code
☐ Promotional Offers ☐ Opinion Polls	The same of the State of the same of the s
☐ None Of The Above	Home Telephone Number Work Telephone Number
Ca trone or the above	
If called, I prefer to be contacted:	First Varne MI (4st Varne
□ Daytime	First Vame M Last Name

USA Only

State

PLACE STAMP HERE VOLVO CARS OF NORTH AMERICA P.O. BOX 7239 PORTSMOUTH, N.H. 03802-7239 Mondidableadaladableadabl

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> \Box 1 Ţ au

Ιfe

Name/Address Cha	inge Card — Canadian Volvo Owners — Use This Form
This card is provided for name/ address changes. This informa- tion is extremely important should Yolvo need to advise you of either a maintenance or service change or mandatory recall Contact Preference: I prefer to be contacted by:	□ Name Change □ Address Change: □ Individual Move □ Family Move □ Used Car Purchase from: □ Volvo Dealer □ Other Dealer □ Private Sale Effective Date Month □ Day Year Model Year Odometer Reading Vehicle Identification Number (located left top side of dashboard)
Telephone Mail Neither I am interested in the following: New Products And Services Promotional Offers Opinion Polls None Of The Above	First Name MI Last Name Street Address City Frovince Postal Code Work Telephone Number
If called, 1 prefer to be contacted: □ Daytime □ Evening □ Weekend	First Name MI Last Name Street Address

Canada Only

ATTN CUSTOMER SERVICE DEPARTMENT
VOLVO CANADA LTD.
175 GORDON BAKER RD.
NORTH YORK ONT M2H2N7

1997

Pre-D

Your Vol you with emission-

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1997 Service and Maintenance Requirements

Pre-Delivery Service

Your Volvo has received a comprehensive Pre-Delivery inspection and service. Your retail facility will provide you with a copy of the Pre-Delivery form detailing this work, which includes inspection and servicing of the emission-related components.

The Pre-Delivery Service (PDS) is a key part of a comprehensive maintenance schedule developed by Volvo for your vehicle.

Oil and Filter Change Interval

To determine the appropriate oil and filter change interval for your Volvo refer to the following: If you routinely operate your vehicle under these conditions. . .

- extended periods of idling and/or low-speed operation
- frequent short trips (less than 7 miles = 11 km)
- · periods of driving in sandy and/or dusty areas
- trailer towing
- driving in mountainous areas

...then the recommended oil and filter change interval is every 5,000 miles = 8,000 km or every 6 months WHICHEVER COMES FIRST. THIS SCHEDULE APPLIES TO ALL TURBO MODELS.

If your vehicle is used primarily for highway driving - trips longer than 7 miles = 11 km - the correct oil and filter interval is every 10,000 miles = 16,000 km or 12 months (5,000 miles = 8,000 km or 6 months for TURBO models) WHICHEVER COMES FIRST.

Maintenance Scheduling

Maintenance intervals have usually been determined by accumulated mileage. As driving conditions and operational demands differ, these factors have a major influence on routine maintenance. For these reasons Volvo recommends that your maintenance schedule services and oil filter changes be based on a combination of time and mileage.

The MINIMUM SCHEDULED MAINTENANCE, for which you are responsible, begins at 10,000 miles/16,000 km or every 12 months whichever comes first (5,000 miles/8,000 km or every 6 months whichever comes first for TURBO models).

A maintenance Service Operations Chart, on pages 59-65, details these service requirements. They are listed by engine type with required emission related service indicated.

Service S

Discuss your your Volvo Retailor a mainte ments. Your Volodate techni vanced trainin an important; systems becon

Servicing you ience. There ahead of time a personnel and your Volvo re

Should you h parts, or warra happy to ansy additional info contacting Vc tion.

riving conditions and ice. For these reasons ised on a combination

gins at 10,000 miles/ nths whichever comes

nents. They are listed

Service Support

Discuss your vehicle's special servicing needs with your Volvo Retail Facility's Service Staff. They can tailor a maintenance program based on your requirements. Your Volvo Retailer has access to the latest upto-date technical information, special tools, and advanced training for their technicians. This support is an important advantage to you, the Volvo owner, as systems become more sophisticated and intricate.

Servicing your Volvo should be done at your convenience. Therefore, plan to make your appointments ahead of time so that your dealer can schedule the right personnel and equipment to be available for the work your Volvo requires.

Should you have any questions concerning service, parts, or warranty coverage, your Volvo dealer will be happy to answer them for you. Should you require additional information, they can further assist you by contacting Volvo's Regional personnel for clarification.

Remember - you should always exercise your right to:

- Receive an estimate of costs before any repair work is performed;
- Receive prior notification of any additional repairs;
- Receive a copy of the repair order, including those for warranty repairs:
- Review repairs completed under warranty.

Servicing

Items you should check at regular maintenance intervals and periodically when re-fueling:

- Engine oil level
- Coolant level
- Washer fluid
- Tire inflation pressure
- Brake and clutch system fluid levels
- Exterior lights (headlights, turn-signals, etc.)

Gasoline Specifications

Recommended fuel grade is premium unleaded with an octane rating (AKI) of 91 or above. AKI (Anti-Knock Index) is an average of the Research Octane Number (RON) and Motor Octane Number (MON) = (RON + MON)/2. The minimum octane rating is AKI 87 (regular).

Some unleaded gasolines are a blend of ethanol (ethyl alcohol, grain alcohol), commonly referred to as "gasohol". If you use gasohol, it must contain no more than 10% ethanol and have a rating of at least 87 octane (R+M)/2. If you experience driveability, starting, or fuel economy problems, you should discontinue using gasohol. Fuels containing up to 15% MTBE (Methyl Tertiary Butyl Ether) may also be used.

Important:

Do not use gasolines containing methanol (methyl alcohol). Vehicle performance may be affected through deterioration and damage to critical parts

of the fuel system. Such damage may not be covered under the warranties.

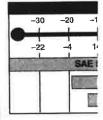
The fuel you use plays a major role on how your engine will function. With the many variants of fuel available, it is important that deposit control fuels be used to reduce the risk of intake valve carbon deposit buildup and clogged fuel injectors. Deposits can restrict fuel and air flow into the engine and may lead to poor driveability.

Note: For further information, consult your Volvo retailer.

Emission tampering and the use of leaded fuel are illegal. These actions increase air pollution and could lead to engine damage or premature failure. Additionally, the warranties may be voided should these conditions occur.

Oil Speci

Your Volvo engin based on specific § are listed below for be found in your O oil additives is not



API quality rating recommends the uthat reduce fuel co

lamage may not be s.

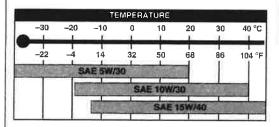
ole on how your engine variants of fuel availit control fuels be used e carbon deposit build-Deposits can restrict e and may lead to poor

n, consult your Volvo

use of leaded fuel are ase air pollution and or premature failure. may be voided should

Oil Specifications

Your Volvo engine's efficiency has been designed based on specific grades of oil. These requirements are listed below for your information. They can also be found in your Owner's Manual. The use of engine oil additives is not recommended.



API quality rating: SH or SH/CC or SH/CD. Volvo recommends the use of energy-conserving (ECII) oils that reduce fuel consumption.

Note:

SAE 10W/30 is preferred as this grade meets most general driving and climatic conditions. SAE 15W/40 oil is recommended for use in severe driving conditions which involve high oil temperature or excessive oil consumption (e.g., mountain driving with frequent deceleration, or high-speed driving).

Note: SYNTHETIC OILS are HIGHLY RECOM-MENDED for vehicles operating in temperature extremes (very cold or very hot climates), continuous mountain driving, trailer pulling and for turbocharged engines. In order to maximize the efficiency and operation of your vehicle, the following points should be observed:

- Oil change and filter replacement every 5,000 miles/8,000 km, or at a time interval based on the type of driving and conditions as detailed in your Owner's Manual. You should maintain a record of these services (repair order receipts).
- 2. Do not use engine oil additives as they may adversely affect the engine.
- Use correct oil specifications (minimum requirements) rating SH/CC. Volvo recommends the use of energy-conserving (ECII) oils. Only oil of correct viscosity rating may be used. Refer to "Oil Specifications" on page 57.

Turbocharger Caution:

Never race the engine immediately after starting. Oil flow may not reach some lubricating points fast enough to prevent turbocharger damage.

Before switching off the engine, let it operate at idle for a short time to allow the spinning of the turbocharger compressor's turbine vanes to slow. After hard driving, this idle time should last a couple of minutes, during which the vanes will slow and the compressor will cool down while still receiving oil lubrication. If the turbine vanes are spinning at high speeds when the engine is switched off, there is a great risk of heat damage and/or turbine seizure due to lack of lubrication. Do not race the engine just prior to switching off!

Main

Service Op

Engine oil Automatic Coolant le Brake fluid Power stee Washer (h

Service Informatio

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let it operate at idle unning of the turbomes to slow. After
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are spinning at high
d off, there is a great
e seizure due to lack
ngine just prior to

Maintenance	Service	Operations
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850 Turbo Additional Services		Schedule of Services
Service Operation	miles	5.000
Engine oil level, check/adjust	km	8,000
Automatic transmission fluid, check/adjust level Coolant level, check/adjust	BASSA STATES	X X
Bruke fluid level, check/adjust Power steering fluid level, check/adjust Washer fluid level, check/adjust		X X X

Service Information

Maintenance Service Operations

Service Operation		Schedule of Services									
0.50	miles x 1000	10	20	30	40	50	60	70	80	90	100
850	km x 1000	16	32	48	64	80	96	112	128	144	160
	months	12	24	36	48	60	72	84	96	108	120
Controls and Lighting		×								ارمتدا	
Exterior lighting controls, check			X	Y Y	-	X	X		1		X
Windshield wiper/washer, check/adjust		X	X	X	X	X	X	X	X	X	X
Washer fluid level, check/adjust		X		X	2.3	X.	X	2.3	-		A
Headlamp wiper/washer, check/adjust		X	X	X	X	X	X	X	X	X	X
Body N (D) A R. S.		100	6	655	COLUMN TWO	6.723	-	1	400	100	C828
Power antenna, clean/lubricate (sedans)*					_			-	-	-	
Doors, hood, trunk, sunroof, lubricate hinges, l	stches, sliding parts	X	X	X	X	2 3	X	4. 0	1	Z	· Ac
Brake System							2000	-		انسانا	x
Brake fluid level, check/adjust	THE WAY SHOULD BE	X	X	X	1.2	8.5	1	(5. T)	200	33.0	A
Brake fluid, replace**				1	1_	1				l	×
Parking brake, check/adjust		X	1X	X	X		X	2.3	-	-	-
Brake pads, check		X	X	X	X	X	X	X	X	X	X
Brake hoses, check for damage/leaks		SE GE	0000	de ma	901	P10-1	0.00	102.30	18	2	-
Wheels and Tires		l						_	A STATE OF	-	
Tires, check pressure		X		LA	2.3		4.46	1		A.	P.
Tires, rotate		X	X	X	X	X	X	X	X	X	X

Recommended at every service.

** Recommended to replace every two years (in mountainous areas or moist climates - every one year) at owner's request.

Mainte

Service Operation

Power steering Steering/front su Link arm stops: Rear suspension Shift control, au Transmission, cl Automatic trans Drive shaft joint Drive shaft join Engine, check fo PCV, inspect it: Engine oil and f

* Turbo mod-Non Turbo

Service Remind Brake/fuel lines Fuel filter, repla

S				_
60	70	80	90	100
96	112	128	144	160
72	84	96	108	120
I			X.	30
X	X	X	X	X
X	X			2
X	X	X	X	X
×	X	×.	2.5	
X.	.		X.	×
I	x	E	X	x
X	X	X	X	X
	X	3.5		I
X	x	E		
X	X	X	X	X

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Maintenance Service Operations

Service Operation			Scl	hedul	e of S	ervic	es				-
850	miles x 1000	10	20	30	40	50	60	70	80	90	100
020	km x 1000	16	32	48	64	80	96	112	128	144	160
	months	12	24	36	48	60	72	84	96	108	120
Steering, Front and Rear Suspe	nsion										
Power steering fluid level, check/adjust	Prefer of those of	X	X	X	X	X	1	X	X	X	X
Steering/front suspension, check							X	X	X	X	X
Link arm stops, grease		X	X	X	X	X	X	X	X	X	X
Rear suspension, check for wear					1		X	X	X	X	X
Transmission, Driveshaft and D	ifferential	THE.	250	1000	1000	CHOICE.	mind	Corre	Sept.		
Shift control, automatic transmission, check/adjust		X	X	X	X	X	X	X	X	x	X
Transmission, check for leaks		1	X	X	X	X	X	X	F	X	X
Automatic transmission fluid level, check/adjust		X	X	X	X	X	X	X	X	X	X
Drive shaft joints, check for wear/play		B charge	000	ECC 1	10101	00000	o E	0.00	- X	X	X
Drive shaft joints, check boots for cracks/leaks	AND A STATE OF THE PARTY OF	X	X	X	X	X	X	X	X	X	X
Engine	NAMES OF THE PARTY	SOLD	1	Dept.	100		KO 19	-1809	- 30		1
Engine, check for leaks		X	X	X	X	X	X	X	X	x	l x
PCV inspect flame guard, clean nipple and hose	S CONTRACTOR OF THE PARTY.	E3325	2000	Bronic.	103ail	LLOOK	X				X
Engine oil and filter, replace*		X	X	X	X	X	X	X	X	x	X
Service Reminder Indicator (SRI), reset*		X	100	X	X	x	X	X	X	X	X
Brake/fuel lines, check for damage/leaks				78		100	X	X	X	X	X
Fuel filter, replace		1085	1960	E 275	050		ST.	-	1	-	x

^{*} Turbo models: every 5,000 miles/8,000 kilometers. Non Turbo models see pages 53 and 54.

Maintenance Service Operations

Service Operation			Sch	edule	of S	ervic	es		-	_	_
	miles x 1000	10	20	30	40	50	60	70	80	90	100
850	km x 1000	16	32	48	64	80	96	112	128	144	160
000	months	12	24	36	48	60	72	84	96	108	12
Exhaust system, check condition/leaks/susp Air filter cartridge, replace (includes contre Spark plugs, replace Coolant level, check/adjust Battery, check charge, fluid level and moun Auxiliaries drive belt, replace Timing belt, replace* EGR system, glean	d module box filter)	X X	X X	X X X	X	X	X X X X	X X X	X	X X X X	X

* Recommended for proper functioning of the vehicle and its emission control systems.

For continued service after 100,000 miles/160,000 kilometers, consult your authorized Volvo retailer.

Main

Service Ope

Exterior ligh Windshield Washer flui

Power anter Doors, hood

Brake fluid Brake fluid Parking bra Brake pads Brake hoses

Tires, check

- * Recom
- ** Recomowner':

2 Maintenance Service Operations

Service Information

ca	70	00	90	100
60	70	80		-
96	112	128	144	160
72	84	96	108	120
X	X	X	X	X
X			X	
X			X	
X	X	X	X	X
X	X	X	X	X
^	X			

ailer

Maintenance Service Operations

Service Operation		Schedule of Services									
0.60	miles x 1000	10	20	30	40	50	60	70	80	90	100
960	km x 1000	16	32	48	64	80	96	112	128	144	160
	months	12	24	36	48	60	72	84	96	108	120
Controls and Lighting											
Exterior lighting controls, check		X	X	X	X	X	X	X	X	X	X
Windshield wiper/washer, check/adjust		X	X	X	X	X	X	X	X	X	X
Washer fluid level, check/adjust		X	X	X	X	X	X	X	X	X	X
Body					1						1
Power autenna, clean/lubricate (sedans)*	2000 - 14 5 4 7 1	-	-	17.0	1	-	100			1	1
Doors, hood, trunk, sunroof; lubricate hinges, i	atches, sliding parts	X	X	X	X	X	X	X	X	X	X
Brake System	STORES OF STATE	1870	1	1	100	1					Ŷ
Brake fluid level, check/adjust		X	X	X	X	X	X	X	X	X	X
Brake fluid, replace**	NUMBER OF THE PARTY OF THE PART	1777	Deriv	1	200	-		1	100		1
Parking brake, check/adjust		X	X	X	X	X	X	X	X	X	X
Brake puds, check		X	X	X	X	X	X	X	X	X	X
Brake hoses, check for damage/leaks					X	X	X	X	X	X	X
Wheels and Tires	agains, and	17	1	130	100	1		1	1		
Tires, check pressure		X	X	X	X	X	X	X	X	X	X
Tires, rotate		X	X	X	2.0	A	X	X	X	IX	IX

* Recommended at every service.

^{**} Recommended to replace every two years (in mountainous areas or moist climates - every one year) at owner's request.

Maintenance Service Operations

Service Operation		Schedule of Services										
0.40	miles x 1000	10	20	30	40	50	60	70	80	90	100	
960	km x 1000	16	32	48	64	80	96	112	128	144	160	
700	months	12	24	36	48	60	72	84	96	108	120	
Steering, Front and Rear Suspension Power steering fluid level, check/adjust Steering (front suspension, retorque		X	x	×	x	x	x	x	x	x	x	
Steering/front suspension, retorque Steering/front suspension, check		A S	135	14.0	X	X	x	х	x	X	x	
Rear suspension, retorque		X			x	x	x	x	x	x	x	
Rear suspension, check		-	100	-	-	Α.	Δ.	a	Α.	1	-1%	
Transmission, Driveshaft and Differ	rential	-	Town.		-	X	x	x	x	x	x	
Shift control, automatic transmission, check/adjust	STATE STATE	X	X	+-	- A	1	1 1	X	X	X	X	
Transmission, check for leaks		X	X	X	X	X	X		17	1.77	100	
Automatic transmission, check for leaks/fluid level	of Jacobson Statement	X	X	1.5	13	X	X	X	X	X	X	
Rear axle, check for leaks/fluid level		X	X	X	X	X	X	X	X	X	X	
Engine	CHILL THE CO.	Partie S	1000	-	1	1		x	x	x	X	
Engine, check for leaks		X	X	X	X	X	X	A	A	A		
PCV, inspect flame guard, clean nipple and hoses	BOTH STORY	115	¥ (4)	Santa de	Mary Contract	1	X	١.,		177	X	
Engine oil and filter, replace*		X	X	X	X	X	X	X	X	X	X	
Service Reminder Indicator (SRI), reset	Secretary and the second	X	X	X	1 K	IX.	X	X	X	X	X	

* See pages 53 and 54, oil and filter change interval.

Maint

Service Oper

Brake/fuel
Fuel filter,
Exhaust sy:
Air filter ex
Spark plug
Propeller sl
Coolant leu
Battery, ch
Auxiliaries
Auxiliaries
Timing bel

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For continued

80	90	100
128	144	160
96	108	120
ж	x	x
x	x	x
x	x	x
x	x	X
X	X	X
X	X	X
X	X	X
X	X	X
1	1	X
X	X	X
X	X	X

Maintenance Service Operations

ervice Operation			Sch	edule	e of S	ervic	es			_	_
ervice Operation	miles x 1000	10	20	30	40	50	60	70	80	90	100
960	km x 1000	16	32	48	64	80	96	112	128	144	16
700	months	12	24	36	48	60	72	84	96	108	12
Brake/fuel lines, check for damage/leaks	Monus				X	X	X	X	X	X	2
Fuel filter, replace Exhaust system, check condition/leaks/sus	nension	-	11000	136-0	X	x	X	X	X	X	X
Air filter cartridge, replace.	DOISON	100	20	X	\$750		X			X	
Spark plugs, replace	NAME AND DESCRIPTION OF THE PARTY OF THE PAR	B024	-65	X	×	X	X	X	X	X	3
Propeller shaft, support bearings, u-joints,	eneck an wear	X	X	X	X	X	X	X	X	X	2
Coolant level, check/adjust Battery, check fluid level and mounting	CONTRACTOR OF THE PARTY OF	X	X	X	X	1 %	X	X	X	X	1 3
Battery, eneck fluid sever and insuming		X	X	X	X	X	X	X	X	X	1
Battery, charge, check Auxiliaries drive belts, check/adjust tension	n de la companya della companya della companya de la companya della companya dell	P .06	917	X	1	1	X			X	
Auxiliaries drive belt, replace Timing belt, replace		1	die.		-0	1	1	X		_	

^{**}Recommended for proper functioning of the vehicle and its emission control systems.

For continued service after 100,000 miles/160,000 kilometers, consult your authorized Volvo Retailer.

Maintenance/Service Interval Records

A Word About Your Service Records

The following pages contain the service interval records section. After each service is performed, your authorized Volvo retailer will validate the appropriate record section by entering the date serviced, mileage, representative signature, and the retailer stamp.

It is your responsibility, and extremely important for you to retain documentation of all service or warranty repairs to your Volvo (including work performed by you as well as by non-authorized repair facility), in the event that questions regarding warranty coverage arise. These records must be transferred to subsequent owners.

Service Maintenance Record

Lingu	ie Oil and F	ilter Change
5,000	miles/8,000	km or 6
montl	ns, whicheve	r occurs first*.
JI 8121 VII	M CH Retailer	NC 9005 Stamp 005 905 905
	0~6~97 Mik r Authorized	eage: 5 998

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to

8129 MAIN ST, PO BOX 9005 HAME CHITELERY INC.

months, whichever occurs first. WILLIAMSVILLE, NY 14231-9003

Maintenance Service 10,000 miles/16,000 km or 12

Engine Oil and Filter Change 15,000 miles/24,000 km or 18 months, whichever occurs first*.
JIM CULLIGAN INC. 8129 MAIN ST., PO BOX 9005 WILLIAMSVILLEIJNY114231-9005



Engine Oil and Filter Change 25,000 miles/40,000 km or 30 months, whichever occurs first*. Retailer Stamp

Date	Mileage:
Retailer Authorize	1
Signature:	

Maintenance Service

Retailer Authorized Signature:

30,000 miles/48,000 km or 36 months, whichever occurs first.

> JIM CULLIGAN INC. 8129 MAIN ST. PO BOX 9005 WILLIAMSVILLE, NY 14231-9005

Retailer Author

*Required on turbo models. See pages 53 and 54 for non turbo models.

Service Records

Service Maintenance Record

Engine Oil and Filter Change 35,000 miles/56,000 km or 42 months, whichever occurs first*.	Maintenance Service 40,000 miles/64,000 km or 48 months, whichever occurs first.	Engine Oil and Filter Change 45,000 miles/72,000 km or 54 months, whichever occurs first*.
Retailer Stamp	Rotailer Starnp	Retailer Stamp
Date Mileage: Retailer Authorized Signature:	Date Mileage: Retailer Authorized Signature:	Date Mileage: Retailer Authorized Signature:
Maintenance Service 50,000 miles/80,000 km or 60 months, whichever occurs first.	Engine Oil and Filter Change 55,000 miles/88,000 km or 66 months, whichever occurs first*.	Maintenance Service 60,000 miles/96,000 km or 72 months, whichever occurs first.
Retailer Stamp	Retailer Stamp	Retailer Stamp
Date Mileage: Retailer Authorized Signature:	Date Mileage: Retailer Authorized Signature:	Date Mileago: Retailer Authorized Signature:

Engii 65,00 mont

Retaile: Signatu

Main 80,00 month

Date __ Retailer Signatu

The state of the s	Service	Maintenance	Record
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tange r 54 first*.

or 72 s first.

Engine Oil and Filter Change 55,000 miles/104,000 km or 78 months, whichever occurs first*.	Maintenance Service 70,000 miles/112,000 km or 84 months, whichever occurs first.	Engine Oil and Filter Change 75,000 miles/120,000 km or 90 months, whichever occurs first*.
Retailer Stamp	Retailer Stamp	Retailer Stamp
Date Mileage:	Date Mileage:	Date Mileage:
Retailer Authorized	Retailer Authorized	Retailer Authorized
Signature:	Signature:	Signature:
Maintenance Service	Engine Oil and Filter Change	Maintenance Service
80,000 miles/128,000 km or 96	85,000 miles/136,000 km or 102	90,000 miles/144,000 km or 108
months, whichever occurs first.	months, whichever occurs first*.	months, whichever occurs first.
Retailer Stamp	Retailer Stamp	Retailer Stamp
Date Mileage:	Date Mileage:	Date Mileage:
Retailer Authorized	Retailer Authorized	Retailer Authorized
Signature:	Signature:	Signature:

Service Maintenance Record

Engine Oil and Filter Change 95,000 miles/152,000 km or 114 months, whichever occurs first*.	Maintenance Service 100,000 miles/160,000 km or 120 months, whichever occurs first.	Engine Oil and Filter Change 105,000 miles/168,000 km or 126 months, whichever occurs first*.
Retailer Stamp	Retailer Stamp	Retailer Stamp
Date Mileage: Retailer Authorized Signature:	Datc Mileage: Retailer Authorized Signature:	Date Mileage: Retailer Authorized Signature:
Maintenance Service 110,000 miles/176,000 km or 132 months, whichever occurs first.	Engine Oil and Filter Change 115,000 miles/184,000 km or 138 months, whichever occurs first*.	Maintenance Service 120,000 miles/192,000 km or 144 months, whichever occurs first.
Retailer Stamp	Retailer Stamp	Retailer Stamp
Date Mileage: Rotailer Authorized Signature:	Date Mileage: Retailer Authorized Signature:	Date Mileage: Retailer Authorized Signature:

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Engine Oi 125,000 m months. w

Date ____ Retailer Author Signature: ___

Maintenal 140,000 m months, w

Date ____ Retailer Author Signature: ___

Service Maintenance Record

Change km or 126 irs first*,

km or 144 urs first.

Engine Oil and Filter Change 125,000 miles/200,000 km or 150 months, whichever occurs first*.	Maintenance Service 130,000 miles/208,000 km or 156 months, whichever occurs first.	Engine Oil and Filter Change 135,000 miles/216,000 km or 162 months, whichever occurs first*.
Retailer Stamp	Retailer Stamp	Retailer Stamp
Datc Mileage: Retailer Authorized Signature:	Date Mileage: Retailer Authorized Signature:	Date Mileage: Retailer Authorized Signature:
Maintenance Service 140,000 miles/224,000 km or 168 months, whichever occurs first.	Engine Oil and Filter Change 145,000 miles/232,000 km or 174 months, whichever occurs first*.	Maintenance Service 150,000 miles/240,000 km or 180 months, whichever occurs first.
Retailer Stamp	Retailer Stamp	months, whichever occurs first. Retailer Stamp Date Mileage:
Date Mileage: Retailer Authorized Signature:	Date Mileage: Retailer Authorized Signature:	DateMileage:
*Required	on turbo models. See pages 53 and 54 for nor	turbo models. Service Records 71

3	Brake	Fluid Changes		Speed
		2nd Year	6th Year	Should it be no be recorded in this record.)
	Retailer Stamp	Date serviced Odometer reading	Retailer Date serviced Odometer reading Stamp	
		Service Manager's Signature	Service Manager's Signature	Date
		4th Year	8th Year	
	Retailer Stamp	Date serviced Odometer reading	Retailer Date serviced Odometer reading.	
		Service Manager's Signature	Service Manager's Signature	

72 Brake Fluid Changes

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ire			
Odom	ne(er)	readin	. 8

Speedometer/Odometer Replacement

Should it be necessary to have a speedometer/odometer replaced, information regarding this replacement must be recorded in the space provided on this page. (In some states/provinces, legislation has been passed requiring this record.)

Speedometer/Odometer Replacement Record						
Date	Odometer reading at the time of replacement	Retailer code	Retailer signature			

Volvo Technical Literature (Manuals and Bulletins)

Technical Manuals for your Volvo are available for purchase. These are the same used by competent Volvo technicians. Each major system in the car is covered by individual manuals. They are grouped into ten sections and placed into a binder system. Manuals and binders may be obtained separately or in sets.

Major sections within the Volvo binder system include:

- 0-General Information
- 1-Service and Maintenance
- 2-Engine
- 3-Electrical System and Instruments
- 4-Power Transmission
- 5-Brakes
- 6-Suspension and Steering
- 7-Frame, Springs, Shock Absorbers and Wheels
- 9-Accessories and Other Equipment.

An Aftermarket Product Information Catalog request card is located in your Owner's wallet. You can use this card or you may call 1-800-25-VOLVO (86586) to order a current catalog.

Volvo supports Voluntary Mechanic Certification by the A.S.E. Certified mechanics have demonstrated a high degree of competence in specific areas.

Besides passing exams, each mechanic must also have worked in the field for two or more years before a certificate is issued.

These professional mechanics are fully able to analyze vehicle problems and perform the necessary service procedures to keep your Volvo at peak operating condition.

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Volvo Genuine Parts...Keep Your Volvo a Volvo

Regardless of where you service your Volvo, make sure Volvo Genuine Parts are used to assure the safety and high quality of your car.

From oil filters to replacement lamps, from complete assemblies to useful accessories, all Volvo Genuine Parts are rigorously tested to ensure the reliability and durability you have come to expect from Volvo products.

You won't have to worry about compromising the special safety features originally built into your Volvo when you insist on using only Volvo Genuine Parts for all service, maintenance, and repairs performed on your car.

Volvo Genuine Parts are available at authorized Volvo retailers located throughout North America. Experienced and knowledgeable people will help you be certain that your Volvo remains a Volvo.



MAINTENANCE RECORDS This booklet should always be kept in your car along with all receipts and the customer copy of repair orders covering all service and repairs performed on your vehicle. These service records may be required as reference for future warranty work. All service and repair records should be transferred to subsequent owners.	Part Number Description	Address City State/Province Zip/Postal Code Dealer's Name ACCESSORY IDENTIFICATION Accessories Installed At Time Of Delivery	OWNER INFORMATION Vehicle Identification Number Delivery/Retail Date Owner's Name
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VOLVO

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